

DERWENT-ACC-NO: 1996-095810

DERWENT-WEEK: 199610

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Ceramic humidity sensor mfr. -
involves calcining dried
powder to form spinel structure,
adding potassium oxide
and further calcining to increase
conductivity

INVENTOR: SHIM, Y

PATENT-ASSIGNEE: GOLDSTAR CO LTD[GLDS]

PRIORITY-DATA: 1990KR-0022302 (December 28, 1990)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	
LANGUAGE		MAIN-IPC	
KR 9404669 B1		May 27, 1994	N/A
000	G01N 027/12		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
KR 9404669B1	N/A	
1990KR-0022302	December 28, 1990	

INT-CL (IPC): G01N027/12

ABSTRACTED-PUB-NO: KR 9404669B

BASIC-ABSTRACT:

Prodn. of MgCr2O4-TiO2 ceramic humidity sensor comprises:
first calcining dried
powder for one hour at 1,000deg.C to form a spinel
structure; adding K2O of
1-40 weight % in the form of K2CO3 into the calcined
powder; and further

calcining the mixture for one hour at 900deg.C, thereby
increasing
conductivity.

TITLE-TERMS: CERAMIC HUMIDITY SENSE MANUFACTURE CALCINE DRY
POWDER FORM SPINEL
STRUCTURE ADD POTASSIUM OXIDE CALCINE INCREASE
CONDUCTING

DERWENT-CLASS: J04 L03 S03

CPI-CODES: J04-C02; L03-B01A3;

EPI-CODES: S03-E02A; S03-F09;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1391S; 1391U ; 1966U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-030832